

288 THE BASIC OPEN-HEARTH STEEL PROCESS

EXAMPLE Z.

" STAHL UJSTD EISEN," 1907, P. 232 (TABLE 0).

Charge f Limestone . 820 kilogramminos) Mo|fco(| (Jown

1st \ Ore 3,2(S())

2nd Molten pig iron . 17,843 ,,

Ore, etc., used.

Original (Limestone . 820 kg. = 4;0 per coufc.

charge. \ Ore~. ' . " i^2S(rkg.==18'«> per cent. Oro™ 5*44 per oont. O

At 55 minutes. Ore . 830 ,, = 4*(> ,, -1 *-«"> ,,

O

At 120 " Ore—4,IS1 kg. = 23";55 percent Ore .(J-M2 p<M- rent. (') O

Totals . Ore—4,IS1 kg. = 23";55 percent Ore .(J-M2 p<M- rent. (')

3-	X ^					
30						
%						
V'						
Se			• ^v			
%		X	.			
*0	s , ,	\	Tr	-	...	
3			±=	-	...	
%			> ^			
fj.			.			
ru						
V						

DIAGRAM. I.—Removal oC Reducing Agents. FIG. 30.

ff/hrff'Mt'fi'St

~--~0 forP+\$i ~"~ OforSi

^y_ .^^.-^—.^ of fur/man

DIAn RA M 11.- Act i< in of Oxygen.

manifested itself in the large production of 99 InlogrannrmB par minute, in spite of the charge amounting to only 17.HOO kilogrammes, in connection with which 6'4 kilognimimm oxygem was rendered useful on the immediately preceding composition of the pig iron. The examples given should suffice in order to characterise